

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 4

Application No.	10/590,630
Filing Date	August 23, 2006
First Named Inventor	Gert Bolander Jensen
Art Unit	1653
Examiner	Unassigned
Attorney Docket No.	PLOUG26.003APC

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	342,548	05-25-1886	Walker	
	2	895,729	08-11-1908	Cottrell	
	3	1,204,907	11-14-1916	Schmidt	
	4	1,250,088	12-11-1917	Burns	
	5	1,605,648	11-02-1926	Cooke	
	6	1,931,436	10-17-1933	Deutsch	
	7	2,085,349	06-29-1937	Wintermute	
	8	2,129,783	09-13-1938	Penney	
	9	2,142,129	01-03-1939	Hoss, et al.	
	10	2,297,601	09-29-1942	Williams	
	11	2,847,082	08-12-1958	Roos	
	12	3,910,779	10-07-1975	Penney	
	13	3,999,964	12-28-1976	Carr	
	14	4,970,154	11-13-90	Chang	
	15	5,674,742	10-07-1997	Northrup, et al.	
	16	5,891,694	04-06-00	Arisawa, et al.	
	17	6,364,941	04-02-2002	Liu, et al.	
	18	6,586,253	07-01-2003	Harrison, et al.	
	19	6,623,544	09-23-2003	Kaura	
	20	6,673,621	01-06-2004	Mitchell	
	21	2001/0029793	10-18-2001	Moler, et al.	
	22	2002/0017195	02-14-2002	Tolvanen	
	23	2002/0115201	08-22-02	Barenburg, et al.	
	24	2003/0146100	08-07-03	Huang, et al.	

Examiner Signature

/Young J. Kim/

Date Considered

11/13/2008

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YK/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/590,630
	Filing Date	August 23, 2006
	First Named Inventor	Gert Bolander Jensen
	Art Unit	1653
(Multiple sheets used when necessary)	Examiner	Unassigned
SHEET 2 OF 4	Attorney Docket No.	PLOUG26.003APC

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	25	GB 2 329 633 A	03-31-1999	Nikko Kogyo Kabushiki Kaisha		
	26	WO 89/03426 A2	04-20-1989	Baylor College of Medicine		
	27	WO 97/08293 A1	03-06-1997	Scientific Generics Limited		
	28	WO 99/28742 A1	06-10-1999	Fraun-Hofer-Gesellschaft Zur Förderung der Angewandten Forschung E.V.		✓ (Abstract)
	29	WO 99/38612 A1	08-05-1999	Nanogen, Inc.		
	30	WO 99/57314 A1	11-11-1999	Fraun-Hofer-Gesellschaft Zur Förderung der Angewandten Forschung E.V.		✓ (Abstract)
	31	WO 00/26405 A1	05-11-2000	Mesosystems Technology, Inc.		
	32	WO 01/19963 A2	03-22-2001	Motorola Inc.		
	33	WO 2004/013329 A1	02-12-2004	Imperial College Innovations Limited		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	34	Atrih, et al. 2001. Analysis of the role of bacterial endospore cortex structure in resistance properties and demonstration of its conservation amongst species. <i>Journal of Applied Microbiology</i> , 91:364-372.	
	35	Boe, et al. 1989. Replication origins of single-stranded-DNA plasmid pUB110. <i>Journal of Bacteriology</i> , 171(6):3366-3372.	
	36	Cano, et al. 1995. Revival and identification of bacterial spores in 25- to 40-million-year-old Dominican amber. <i>Science</i> , 268:1060-1064.	
	37	Chen, et al. 2000. Analysis of DNA fragments by microchip electrophoresis fabricated on poly(methyl methacrylate) substrates using a wire-imprinting method. <i>Electrophoresis</i> , 21:165-170.	
	38	Cho, et al. 1999. Kinetics of inactivation of <i>Bacillus subtilis</i> spores by continuous or intermittent Ohmic and conventional heating. <i>Biotechnology and Bioengineering</i> , 62(3):368-372.	

Examiner Signature	/Young J. Kim/	Date Considered	11/13/2008
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English Language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YK/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/590,630
	Filing Date	August 23, 2006
	First Named Inventor	Gert Bolander Jensen
	Art Unit	1653
(Multiple sheets used when necessary)	Examiner	Unassigned
SHEET 3 OF 4	Attorney Docket No.	PLOUG26.003APC

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	39	Cserhalmi, et al. 2002. Inactivation of <i>Saccharomyces cerevisiae</i> and <i>Bacillus cereus</i> by pulsed electric fields technology. <i>Innovative Food Science & Emerging Technologies</i> , 3:41-45.	
	40	Daniel, et al. 1998. Silicon microchambers for DNA amplification. <i>Sensors and Actuators A</i> , 71:81-88.	
	41	Dull, et al. 2002. <i>Bacillus anthracis</i> aerosolization associated with a contaminated mail sorting machine. <i>Emerging Infectious Diseases</i> , 8(10):1044-1047.	
	42	Fridez, et al. 1996. PCR DNA typing of stamps: Evaluation of the DNA extraction. <i>Forensic Science International</i> , 78:103-110.	
	43	Grahl, et al. 1996. Killing of microorganisms by pulsed electric fields. <i>Appl. Microbiol. Biotechnol.</i> , 45:148-157.	
	44	Iversen, et al. 1975. Electrostatic air filters for dental practice. <i>Nor-Tandmægleren</i> No. 05:440-440.	✓ (Summary)
	45	Johns, et al. 1994. Improved methods for the detection of <i>Bacillus anthracis</i> spores by the polymerase chain reaction. <i>Letters in Applied Microbiology</i> , 18:236-238.	
	46	Johnson, et al. 2001. Development of a fully integrated analysis system for ions based on ion-selective optodes and centrifugal microfluidics. <i>Anal. Chem.</i> , 73:3940-3946.	
	47	Kopp, et al. 1998. Chemical amplification: Continuous-flow PCR on a chip. <i>Science</i> , 280:1046-1048.	
	48	Lado, et al. 2002. Alternative food-preservation technologies: Efficacy and mechanisms. <i>Microbes and Infection</i> , 4:433-440.	
	49	Lagally, et al. 2001. Single-molecule DNA amplification and analysis in an integrated microfluidic device. <i>Analytical Chemistry</i> , 73: 565-570.	
	50	Levi, et al. 2003. Molecular detection of anthrax spores on animal fibres. <i>Letters in Applied Microbiology</i> , 36:418-422.	
	51	Mafart, et al. 1997. Modelling the heat stress and the recovery of bacterial spores. <i>International Journal of Food Microbiology</i> , 37:131-135.	
	52	Mainelis, et al. 1999. Collection of airborne microorganisms by electrostatic precipitation. <i>Aerosol Science and Technology</i> , 30:127-144.	
	53	Mainelis, et al. 2002a. Collection of airborne microorganisms by a new electrostatic precipitator. <i>Journal of Aerosol Science</i> , 33:1417-1432.	
	54	Mainelis, et al. 2002b. Design and collection efficiency of a new electrostatic precipitator for bioaerosol collection. <i>Aerosol Science & Technology</i> , 36(11):1073-1085.	
	55	Mainelis, et al. 2002c. Effect of electrical charges and fields on injury and viability of airborne bacteria. <i>Biotechnology and Bioengineering</i> , 79(2):229-241.	
	56	Northrup, et al. 1998. A miniature analytical instrument for nucleic acids based in micromachined silicon reaction chambers. <i>Analytical Chemistry</i> , 70(5):918-922.	
	57	Pugmire, et al. 2002. Surface characterization of laser-ablated polymers used for microfluidics. <i>Analytical Chemistry</i> , 74(4):871-878.	

Examiner Signature	/Young J. Kim/	Date Considered	11/13/2008
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

T¹ - Place a check mark in this area when an English Language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YK/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/590,630
	Filing Date	August 23, 2006
	First Named Inventor	Gert Bolander Jensen
	Art Unit	1653
(Multiple sheets used when necessary)	Examiner	Unassigned
SHEET 4 OF 4	Attorney Docket No.	PLOUG26.003APC

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	58	Schafer, et al. 2003. Rapid detection and determination of the aerodynamic size range of airborne mycobacteria associated with whirlpools. <i>Applied Occupational and Environmental Hygiene</i> , 18(1):41-50.	
	59	Schneegaß, et al. 2001. Miniaturized flow-through PCR with different template types in a silicon chip thermocycler. <i>Lab on a Chip</i> , 1:42-49.	
	60	Shoffner, et al. 1996. Chip PCR. I. Surface passivation of microfabricated silicon-glass chips for PCR. <i>Nucleic Acids Research</i> , 24(2):375-379.	
	61	Spilimbergo, et al. 2003. Inactivation of bacteria and spores by pulse electric field and high pressure CO ₂ at low temperature. <i>Biotechnology and Bioengineering</i> , 82(1):118-125.	
	62	Sung, et al. 2001. Plastic microchip electrophoresis for genetic screening: The analysis of polymerase chain reactions products of fragile X (CGG) _n alleles. <i>Electrophoresis</i> , 22:1188-1193.	
	63	Tsong, T. Y. 1991. Electroporation of cell membranes. <i>Biophysical Journal</i> , 60:297-306.	
	64	Tsong, et al. 1999. Biological effects of electric shock and heat denaturation and oxidation of molecules, membranes, and cellular functions. <i>Annals New York Academy of Sciences</i> , 888:211-232.	
	65	Vincent, et al. 1999. Application of recent advances in aerosol sampling science towards the development of improved sampling devices: The way ahead. <i>J. Environ. Monit.</i> , 1:285-292.	
	66	International Search Report dated August 19, 2005 for PCT/DK2005/000132.	
	67	International Preliminary Report on Patentability dated March 20, 2006 for PCT/DK2005/000132.	
	68	Co-pending U.S. Application No. 10/590,632 filed August 23, 2006, titled METHOD, CHIP, DEVICE AND SYSTEM FOR EXTRACTION OF BIOLOGICAL MATERIALS.	
	69	Co-pending U.S. Application No. 10/590,648 filed August 23, 2006, titled METHOD, KIT AND SYSTEM FOR ENHANCED NESTED PCR.	
	70	Co-pending U.S. Application No. 10/590,768 filed August 24, 2006, titled METHOD, CHIP, DEVICE AND SYSTEM FOR COLLECTION OF BIOLOGICAL PARTICLES.	

3338352-gem012307

Examiner Signature	/Young J. Kim/	Date Considered	11/13/2008
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YK/